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NOTICE OF ALLOWANCE AND FEE(S) DUE

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43313	

7500

01/04/2010

SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037 EXAMINER
SHABMAN, MARK A
ART UNIT PAPER NUMBER

2856 DATE MAILED: 01/04/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581.075	08/29/2006	Havato Katsuda	O94853	2096

TITLE OF INVENTION: GAS SENSOR

I	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further	correspondence includir ed below or directed oth	ng the Patent, advance of	rders and notification of n	naintenance fees wi	ll be n	nailed to the current	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.			
SUITE 800	VANIA AVENUE		Certi	ificate	of Mailing or Transı		
WASHINGTON	N, DC 20037						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	NTOR ATTORNEY DOCKET NO. CON		CONFIRMATION NO.	
10/581,075 TITLE OF INVENTION	08/29/2006 T: GAS SENSOR		Hayato Katsuda			Q94853	2096
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	04/05/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
SHABMAN	I, MARK A	2856	073-031050				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Uni	ondence address (or Cha B/122) attached. ication (or "Fee Address 12 or more recent) attach IND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Com	"Indication form ned. Use of a Customer A TO BE PRINTED ON ified below, no assignee	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be THE PATENT (print or type data will appear on the part of the p	3 registered patent vely, e firm (having as a regent) and the namerencys or agents. If neprinted. be) atent. If an assigned assignment.	membes of up o name	er a 2 to be is 3 entified below, the de	ocument has been filed for
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4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Plea	d. Form PTO-2038	is attac	ched.	·
	s SMALL ENTITY state	us. See 37 CFR 1.27.	b. Applicant is no long				FR 1.27(g)(2). e assignee or other party in
interest as shown by the	records of the United Sta	ites Patent and Trademark	COffice.				
Typed or printed name				-			
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu 7/irginia 22313-1450. DC 113-1450.	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est 7 depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any con rr, U.S. Patent and T D THIS ADDRESS.	e publi inutes nments Tradem SEND	c which is to file (and to complete, includin s on the amount of tin ark Office, U.S. Depa TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/581,075	08/29/2006	Hayato Katsuda	Q94853	2096	
23373 75	590 01/04/2010		EXAMINER		
SUGHRUE MIO	N, PLLC	SHABMAN	I, MARK A		
2100 PENNSYLVANIA AVENUE, N.W.			ART UNIT	PAPER NUMBER	
SUITE 800 WASHINGTON, I	DC 20037		2856 DATE MAILED: 01/04/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 44 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 44 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/581,075	KATSUDA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	MARK SHABMAN	2856	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate comm IGHTS. This application is and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS	'e
1. This communication is responsive to <u>remarks filed 19 Augu</u>	<u>ust 2009</u> .		
2. ☑ The allowed claim(s) is/are <u>1 and 4-10</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	be been received. been received in Application	on No	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) including changes required by the Notice of Draftspers	•	w(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Ir	formal Patent Application	
 Notice of References Cited (P10-692) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		ummary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No.	/Mail Date Amendment/Comment	
Paper No./Mail Date 6/24/2009 4. Examiner's Comment Regarding Requirement for Deposit	_	Statement of Reasons for Allowance	
of Biological Material	9. ☐ Other		

DETAILED ACTION

Allowable Subject Matter

Claims 1 and 4-10 are allowed.

The following is an examiner's statement of reasons for allowance: Independent claim 1 recites the attachment method of the protective cover. The Isaki reference fails to disclose these attachment means as the heat resistant polymer of Isaki which may emanate gas due to heat build-up in the system. The present claim and application avoids this issue by providing the protective cap attached to a ceramic substrate. As all dependent claims ultimately depend from claim 1, they are deemed allowable for similar reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARK SHABMAN whose telephone number is (571)270-3263. The examiner can normally be reached on M-F 8:00am - 4:30pm, EST.

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Art Unit: 2856

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hezron Williams/ Supervisory Patent Examiner, Art Unit 2856

/M. S./ Examiner, Art Unit 2856